

| | PO No | Supplier | Line Item No | Rel | Terms | Purchased Item | Description | For Part | Project | Equipment ID | Order | Due Date | Received Quantity | Accounting Job No | Serial No | Status | Receive Date | Price/Unit | Aging Days | Past | Total | Supplier Name |
|------|----------|----------|--------------------|-----|-------|-------------------|---|-------------|---------|-----------------|-------------|-------------|----------------------|----------------------|--------------|--------|---|---------------|---------------|------|------------|----------------------------|
| - 17 | PO038419 | | 1 | | - | M303B1.000X1.000 | M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft | No | | | - | 11/24/2017 | - | | S019331 | Stock | 100000000000000000000000000000000000000 | \$ 22.42 / ft | 0 | _ | | Acier Ouellette Inc. |
| | | | 5 | | | M17-4-S11GA | 17-4 SS Sheet 0.125 (AMS 5604 or ASTM 693): MATERIAL: 17-4PH STAINLESS STEEL SHEET AS PER AMS 5604 MINIMUM YIELD TENSILE STROGTH = 105 KSI MINIMUM ULTIMATE TENSILE STRSILE | | | | √ 32 | | 30 | | \$019332 | Stock | 12/9/2017 | \$ 55.31 / ft | 0 | | \$1,659.38 | Acier Ouellette Inc. |
| L | | | | | | | | | | Total: | 56 | | 54 | | | | | | | 15 | 1,709.93 | |

Plex 12/9/2017 1:15 PM Dart.Plouffe.Sonia

Status: Receiving

Part: M17-4-S11GA

Created: 12/9/17 1:14 PM DART.PLOUFFE.SC



Serial No: **S019332**

Status: Receiving

Part: M303B1.000X1.0(

Created: 12/9/17 1:14 PM DART PLOUFFE SC

Serial No: S019331

DELIVERY - CLIENT

ACIER OUELLETTE INC.

935, Boul. du Hâvre Salaberry de Valleyfield (Québec) J6S 5L1

Shipped to

Ontario,

HAWKESBURY, Ontario, K6A 1K7

1270, ABERDEEN ST.

DART AEROSPACE LTD

Billed to

Delivery date Date Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

CLI0001056 2017/11/21 Customer N°

2017/12/07 Your order N°

Josianne Bourdon 38419

Processed by

OUELLETTE VALLEYFIELD

Salesman

Net 30 Days

Carrier

Credit Terme

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Page

PCS NB

8/0/ EXP CMD

PI_\$CLB

24.00~

81.60

M/O

Qty

Weight

Product Description

FΑ

Instruction

9512

CSS-1303

SQUARE SS 1 SS303 NS

Delivery Route

DOL

U S

Z

Internal Use Only

PI2_\$CLB

30.00

157.50

SHEET SS 11G 17-4 PH AMS5604 NS

2

FESS-11G174PH

AC11458-JG-30/11

2 X 12' R/L HEAT

1X3'X10' HEAT \$52079

AC11459-TW-05/12

370

Conditions:

Total Weight (Lbs): 239.10

All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to NIR: R-109516-6

Delivered By: Verified By AM

Prepared By

Time

Customer's Signature

Total (\$CAD) ۵

Date

935, Boul. du Hâvre Salaberry de Valleyfield (Québec) J6S 5L1 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Order - Sales

Customer N°

CODY

CO00063128

CLI0001056 2017/11/21

38419

2017/12/07

Delivery date Your order N° Processed by

Date

Josianne Bourdon

Salesman Carrier

OUELLETTE VALLEYFIELD

Net 30 Days

Credit Terme

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Shipped to

, Ontario,

HAWKESBURY, Ontario, K6A 1K7

1270, ABERDEEN ST.

DART AEROSPACE LTD

Billed to

Delivery Route

| | | | | | | | 1 | | | | | |
|------------------------|--------|-------|----------|------|--------|-----|----|----------|--------|-----|--------|--|
| Product Description | Weight | 40 | 11/M | | PCS NI | 18 | | Inter | ternal | Jse | e Only | |
| | | 4.3 | 2/2 | CMD | EXP | 8/0 | NI | - | S | U | FIG | |
| . SQUARE SS 1 SS303 NS | 81.60 | 24.00 | PI \$CLB | 2.00 | | | | + | | 1 | | |
| CSS-1303 9512 / | | | i | | | | | 3811,741 | | | | |

157.50

2 X 12' R/L HEAT: (272759) certificate of conf.

SHEET SS 11G 17-4 PH AMS5604 NS

7

FESS-11G174PH

AC11458-JG-30/11

1.00 PI2_\$CLB

30.00

AC11459-TW-05/12 1 X 3' X 10' HEAT

Total Weight (LBS):1 239.10

NIR: R-109516-6

All sold and delivered materia's remain the property of "Acer Duellette Inc" until payment is made in full, complete and cashed. All loss naterials are at the buye's expense. The viarranty offered by "Acer Duellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acer Duellette Inc." to the client. The buyer hereby accepts to respect the ording conditions: Het 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any ordinit in respect with this contract will lead to payment by acceptation and permits to the seller, at his choice to daw for the belance due or the repossess on of the goods sold. All claims must be made within five (5) days with this document encosed. Any merchandse that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to

Customer's Signature

Time

Delivered By

Verified By:

25% restocking charge. Prepared By

Conditions:

Total (\$CAD)

2 608.04 Deposit Balance

2 608.04



Dart Hawkesbury 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO038419

Tel (613) 632-5200

Supplier: ACI001-VC

Ship To:

Acier Ouellette Inc. 935 Boul. Du Havre

Valleyfield QC

J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696

1270 Aberdeen Street

Hawkesbury

K6A 1K7 Canada

ON

PO No:

PO038419

PO Date:

11/20/17

Due Date:

11/24/17

Purchase Order Revision:

Revision Date:

Ship-To Contact:

Phone:

Via:

Ground

Pymt Terms:

Net 30

Freight Terms:

Special Comments: quotation no sou0071752 and sou0071752

| | Phone: 613- | | 200 | | | | | | | | |
|------|-------------------|-------------|--|----------|----------|-------------|--------|----------------------|---------|---------------------|-------------------|
| | | | | | Items | | | | | | |
| Line | | Rev | Description | Item Tax | Status | Due Date | | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
| 1 | M303B1.000X1.000 | .) | M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft | | Firmed | 11/24/17 | ∕24 ft | 0 ft 24 | 24 ft | \$22.41666/ft | \$538.00 |
| 2 | M304R1.000 | | 304 Round Bar 1.00 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft | | Firmed | 11/24/17 | ART | 486 | | \$6.566875/4 | |
| 3 | M304S24GA | / | 304/316 .025 Sheet MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 eceive sf | | Firmed | 11/24/17 | 64 sf | ost CeUS | 64 sf | \$2.8975/sf | \$185.44 |
| 4 | MT-1144-R1.750()- | | 1144 Steel Proof Round Bar 1.750" | | Firmed 1 | 11/24/17 | 12 ft | ٥٩ المام | | \$15.210833/ft | \$182.53 |
| 5 | M17-4-S11GA | (: 2 | 7-4 SS Sheet 0.125 (AMS 5604 or ASTM 693) MATERIAL: 17- PH STAINLESS STEEL SHEET AS | | Firmed 1 | 1/24/17 | 32 ft | 26 F | 32 ft | \$53.3125/n | \$1,770.00 |



Dart Hawkesbury 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO038419

Tel (613) 632-5200

| Line | Company of the National States | PRINCE STATE | AND AND SOUND PARTICIPATION OF THE WORKS | Company of School Services | A TO COMPANY A STATE OF | Due | Order | Received | | Unit | Extended |
|------|--------------------------------|------------------|---|--|-------------------------|----------|----------|---------------|-----------|-----------------|----------|
| tem | | Rev | Description | Item Tax | Status | Date | Quantity | Quantity | Balance | Price (CAD) | Price |
| | | | PER AMS 5604 MINIMUM YIELD TENSILE STRENGTH = 105 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 135 KSI receive ft | | | | | | | | |
| 6 | M6061T6S.032 V | | 6061-T6 Sheet | N | Firmed | 11/24/17 | /144 sf | 0 sf | 144 sf | \$2.2416666/sf | \$322.80 |
| | | | 0.032" : MATERIAL: 6061- T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR A8TM B209 receive sf | | | | | 1445 | 5PY | 7-12- | Lo |
| 7 | M6061T6S.063 | | 6061-T6 .063 Sheet | | Firmed 1 | 1/24/17 | 144 sf | 0 sf | 144 sf \$ | \$2.7565625/sf | \$396.95 |
| | | | : MATERIAL: 6061- T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf | 200 mm to 100 mm | | | | 1449 | P 64 | on-12 |) lo |
| 8 1 | и6061T6S.040 | | 6061-T6 .040 Sheet MATERIAL: 6061- T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf | | | | /44 sf | 0 sf | f sf | \$2.792222/sf | \$402.08 |
| 9 N | M6061T6S.125 ℃- | | MATERIAL: 6061- MATERIAL: 6061- F6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 DR AMS 4025 OR AMS 4027 OR ASTM B209 eceive sf | F | Firmed 1 | 1/24/17 | 144 sf | 0 sf YYS | 144 sf \$ | 6.2789583/sf | \$904.17 |
| 0 N | 1303R2.000 /- | : 3 E A | MATERIAL: AISI MATERIAL: AISI MAS ROUND MARAS PER MASTM A582 MOTE:304/316 | F | irmed 11 | /24/17 | √48 ft (| 0 H 48 F | 48 ft \$ | 32.585583/ft \$ | 1,564.11 |



Dart Hawkesbury 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO038419

Tel (613) 632-5200

| Line Item | Part | Rev | Description | Item Tax | Status | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
|--------------|-------------|-----|--|----------|--------|-------------|-------------------|----------------------|---------|---------------------|-------------------|
| | | / | ACCEPTABLE receive ft | | | | | | | | |
| 11 | M1018R0.500 | | 1018-1025 round | | Firmed | 11/24/17 | 12 ft | 0 ft | 12 ft | \$0.86833/ft | \$10.42 |
| | | | bar .500 : MATERIAL: AISI 1018-1025 ROUND BAR AS PER MIL- S-7097 OR ASTM A108 | | | | | 18. | 9 | | |
| | | | Material, AISI 1020- 1025 ROUND | | | | | | | | 1 |
| | | | TUBING PER MIL- T-5066 OR ASTM | | | | | | (| OIT | 0 |
| | | | A513-00 MT1020 | | | | | | () |) \ ' ' | |
| | | | OR AMS 5075 OR | | | | | | | | |
| | | | AMS 5077 COLD DRAWN | | | | | | | | |

Order Notes

C. L

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 11/20/17 1:33 PM DART.LAVOIE.CHANTAL



935, Boul. du Hâvre

Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0071752

Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer N°

CLI0001056

Date

2017/11/17

Revision N°

0

Prices valid until

2017/11/24

Your Order No

Processed by

BERNARD

Salesman

JOSIANNE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

1

| Product N° and description | Weight | Qty U/M | Qty U/M Price | Pcs Nb Price | Amount |
|--|--------|------------------|---------------|----------------|----------|
| CARRE SS303 1" | 0.00 | 2.00 UN | 2.00 UN | 2.00 269.00 | 538.00 |
| 2 X 12' R/L 7-10 DAYS | | | | 70.00 | 215.21 |
| ROUND SS 1 304 RANDOM | 128.16 | 48.00 PI_\$CLB | 48.00 PI | 4.00 78.80 | 315.21 |
| RSS-1-V 5747 4 X 12' R/L STOCK | | | | | |
| SHEET SS 24G SS304-2B (4 X 8) | 67.20 | 64.00 PI2_\$CLB | 2.00 UN | 2.00 92.72 | 185.44 |
| FESS-24G483042B 3441 2 X 4' X 8' STOCK | | | | | |
| ROUND STRESSPROOF 1 3/4 RANDOM | 98.16 | 12.00 PI_\$CLB | 12.00 PI | 1.00 182.530 | 182.53 |
| RST-134-V 5799 1 X 12' 3-4 DAYS | | | | | |
| SHEET 17-4 11G | 0.00 | 1.00 UN | 1.00 UN | 1.00 1 770.000 | 1 770.00 |
| N 1 X 4' X 8' 7-10 DAYS | | | | | |
| ALU SHEET .032 (20G) 6061-T6 (4 X 12) | 65.09 | 144.00 PI2_\$CLB | 3.00 UN | 3.00 107.600 | 322.80 |
| FEAL-0324126061 3096 3 X 4' X 12' 2-3 DAYS | | | | | |
| ALU SHEET .064 (14G) 6061-T6 (4 X 12) | 129.74 | 144.00 PI2_\$CLB | 3.00 UN | 3.00 132.316 | 396.95 |
| FEAL-0644126061 3169 3 X 4'X 12' 2-3 DAYS | | | | | |
| ALU SHEET .040 (18G) 6061-T6 (4 X 12) | 81.07 | 144.00 PI2_\$CLB | 3.00 UN | 3.00 134.026 | 402.08 |
| FEAL-0404126061 3121 3 X 4' X 12' 2-3 DAYS | | | | | |
| ALU SHEET 1/8 6061-T6 (4 X 12) | 254.02 | 144.00 PI2_\$CLB | 3.00 UN | 3.00 301.390 | 904.17 |
| FEAL-184126061 4253 3 X 4' X 12' 2-3 DAYS | | | | | |
| ROND SS 2 303 RANDOM NS | 523.20 | 48.00 PI_\$CLB | 48.0WN_\$UN | 4.00 391.027 | 1 564.11 |
| RSS-2-V 8931 4 X 12' R/L 3-4 DAYS | | | | | |
| TA 12 IVE STAIS | | | į. | | |

préavis en fonction de l'évolution des prix de l'acier sur le marché. Cette offre est sujette et conditionnelle à l'approbation du crédit.

Date:

Next Page...



935, Boul. du Hâvre

Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0071752

Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att: CHANTAL LAVOIE Tél.: 613-632-5200

Customer N°

CLI0001056

Date

2017/11/17

Revision N°

0

Prices valid until

2017/11/24

Your Order No

Processed by

BERNARD

Salesman

JOSIANNE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

2

| Product N° and description SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE S | e Amount |
|--|----------|
| SURCHARGE ENERGETIQUE \$ | |
| FRAIS_ENERGETIQUE | 3.95 |
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Total Weight (Lbs)

1 346.64

Important

This offer is based on availability and current pricing conditions that may be revised upon

préantion rofdha iordde l'évolution des prix de l'acier sur le marché.

This offire esubjection et conditional directe dip proposion du crédit.

Approuved and Accepted by :

Date :_

Sub-total

6 585.24

TVH-13 · · 856.08

Total (\$CAD)

7 441.32



935, Boul. du Hâvre

Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0071884

Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att: CHANTAL LAVOIE Tél.: 613-632-5200

Customer N°

CLI0001056

Date

2017/11/20

Revision N°

0

Prices valid until

2017/11/27

Your Order No

Processed by

BERNARD

Salesman

JOSIANNE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

1

| Product N° and description | Weight | Qty | U/M | Qty | U/M | Price | Pcs Nb | Price | Amoun |
|----------------------------|--------|-------|----------|-------|------|-------|--------|--------|-------|
| ROUND CR 1/2 1018 RANDOM | 8.02 | 12.00 | PI_\$CLB | 12.00 |) PI | | 1.00 | 10.420 | 10.42 |
| RCR-12-V 5267 | | | | | | | | | |
| 1 X 12' R/L STOCK | | | | | | | | | |
| SURCHARGE ENERGETIQUE | | | \$ | | | | | | 3.95 |
| FRAIS_ENERGETIQUE | | | | | | | 11 | | |
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Total Weight (Lbs)

8.02

Important

This offer is based on availability and current pricing conditions that may be revised upon preantiperof checiondo l'évolution des prix de l'acier sur le marché.

Tetseoffereisesubjectionet conditional directed ip proposition du crédit.

Approuved and Accepted by:

Date :_

Sub-total

14.37

TVH-13 · · 1.87

_ Total (\$CAD)

16.24

CERTIFICATE OF TEST CERTIFICAT D'ESAIS

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

Page 01 of 01 -

Certification Date 30-NOV-2017

Invoice Number T373114

AC00011458 PART NUMBER/NUMÉRO DE PIÈCE

510850

SOLD TO:

HEAT:

ACIER OUELLETTE INC.

SHIP TO:

ACIER OUELLETTE INC.

VENDU À:

DIVISION SALABERRY DE VAEKEYDIÉELD

DIVISION SALABERRY DE VALLEYFIELI

935, BOUL. DU HAVRE

Line Total: 88

935, BOUL. DU HAVRE SALABERRY-DE- VALLEYFIELD QC J6S 5L1SALABERRY-DE- VALLEYFIE

QC J65

Description: 1 SQ X

303 CD ANN BAR ASTM A582

272759

ITEM: 510850

Specifications: AMS 5640 TYPE 1 V

UNS S30300

ASTM_A582)12 QQ S 764B AMD.2

ASTM A484 16 EN 10204 3.1

CHEMICAL ANALYSIS

C MN 0.051 1.69

P 0.03

S SI 0.28 0.67

CR 17.51

NI 8.05

MO

CU 0.55

CO 0.14

N 0.03

RCPT: R341175

COUNTRY OF ORIGIN : ITALY

MECHANICAL PROPERTIES

DESCRIPTION

YLD STR PSI 63000.0

ULT TEN PSI 103000.0

%ELONG IN 02 IN 41.9

IN AREA 55.9

%RED HARDNESS BHN

STRAND CAST

REDUCTION RATIO 4.1 TO 1 MATERIAL IS FREE FROM MERCURY CONTAMINATION

NO WELD REPAIR PERFORMED ON MATERIAL

MACRO: OK

Material did not come in contact with mercury while in our possession/Par les présentes nous centifique que le matériel couvert par ce rapport rencontre les specifications décrites cihaut.

rencontre les spécifications décrites ci-haut. The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

The above data were transcribed from the manufacturer's Certificate of Test after verification

for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des

spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a

part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport

MANAGER QUALITY ASSURANCE GÉRANT DE L'ASSURANCE QUALITÉ

surve Lespesi

Customer PO: B12018170 UPM Sales Order: 653172

Date: 11/27/2017 Description/Form: STAINLESS 17-4 PH - SHEET Heat Number: 852059 Ingot: 17L002512E

545802 GOVI CONTRACT

Size: .1250 Customer P/N:

Packing List Number: 47556-1 Quantity: 152 lb. 1

NOTICE OF SHIPMENT/ PACKING LIST

Flat Rolled Products
FINISHING LOCATION SHIPPE

CERTIFICATE OF TEST

AL 6168-8-417

CUST ORD NO & DATE CIN-27388-P09 SOLD 3 SHIP

CUST CODE

PRIME SEC. DSO DSO

10

PRODUCT CODE MILL ORDER NUMBER 13010103060000 30-067-219 09/27/17 1473 BENWOOD

GRADE AND SPECIFICATIONS

CARRIER - GROSS, RONALD, INC.

ATI 17-4 PRECIPITATION HARDENABLE STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE (AMS 2248G)

(AMS 2315G) (AMS 5604H OND A/H900) (ASTM-A-693-16 S17400 CND A/H900) (ASME-SA-693-15 CND A/H900) (S-1000 DATED 01/19/2017) (S-400 DTD 06/03/2016) (UPM 17-4) (02/10/14 EXCEPTIONS TO UPM-17-4) (ASTM-F-899-12B)

(UPM-QRS-001 ISS 1 REV B) (03/06/15 EXC TO UPM-QRS-001)

| ITEM PCS DIMENSIONS W/G/L | HEAT # | COIL # | TEST # | GROSS | TARE | NET | THEO | TAG | # / | CD | SKID | Ħ |
|--|--|--|---|--------------------------------------|----------------------|--------------------------------------|------|-----|-----|----|------|---|
| 001A 20 36./.125/120.125 20 36./.125/120.125 20 36./.125/120.125 20 36./.125/120.125 14 36./.125/120.125 C CUST IDENTITY 17-4125X36X120 | 852059 852059 852059 852059 852059 | AAB94531-A AAB94531-B AAB94531-C AAB94531-D AAB94531-E | L297866 L297866 L297866 L297866 L297866 | 3120 3120 3120 3100 2220 | 80 80 80 80 | 3040 3040 3040 3020 2140 | | | | | | |
| 5 SKIDS | | | | 14680 | 400 | 1428 | 30 | | | | | |

DIST: EMAIL INV AND S/N TO ATIFLATROLLEDPRODUCTS@UPMET.COM

| TYPE HEAT/TEST (WT %) HEAT 852059 | 0.4 | MN | | S .0003 | | | | MO .21 | CU 3.27 | CB | TA |
|-----------------------------------|-----|-----|------|------------|-----|-------|------|-----------|------------|-----|------|
| TEST DOCATION | BN | BN | BN | BN | BN | BN | BN | BN | BN | BN | TC |
| CHECK L297866 | .04 | .51 | .028 | .0003 | .17 | 15.47 | 4.77 | .21 | 3.23 | .25 | .010 |
| TEST LOCATION | TC | TC | TC | TC | TC | TC | TC | TC | TC | TC | TC |

PAGE 01 - CONTINUED ON PAGE 02

10/10/17 16:45:44

CONSIGNEE. Please Note-this consignment was turned over to cancer in list class condition, being correctly loaded, at which time our responsibility for loss of damage in shipment classed for your protection please evalume shipment as all arrives. If alty shortage or damage is discovered, have a full description made by transportation agent on without before signing.

Customer PO: BIZUIBI/U UPM Sales Order: 653172

Date: 11/27/2017

Description/Form: STAINLESS 17-4 PH - SHEET / Ingot: 17L002512E Heat Number: 852059

Customer P/N: Packing List Number: 47556-1 Quantity: 152 lb. 1

NOTICE OF SHIPMENT/ PACKING LIST

Flat Rolled Products

CERTIFICATE OF TEST

AL 6168 H 417

CORROSION

NR

MILL ORDER NUMBER FINISHING LOCATION SHIPPER NO PRODUCT CODE CUST. CODE CUST, ORD, NO & DATE 13010103060000 30-067-219 09/27/17 545802 GOVT CONTRACT | 06/08/17 | 110977 | LOUISVILLE, OH | MG BILL | OFFICE | CIN-27388-P09 1473 BENWOOD WV 244837 SOLD 3 SHIP SPEC 1 SHIP TO PRIME SEC. SOLD TO UNITED PERFORMANCE METALS UNITED PERFORMANCE METALS INC DSO DSO 3475 SYMMES ROAD 10 3475 SYMMES ROAD OH 45015 HAMILTON OH 45015 HAMILTON

= ELONG AFTER FRACTURE

CARRIER - GROSS, RONALD, INC. GRADE PRECIPITATION HARDENABLE STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE 17-4"

ASTM GRAIN STRESS YIELD TENSILE % ELONG TEST CORROSION SALT SPRAY HARDNESS BEND SIZE IN 2" 7.5 # PSI PSI CONDITION ITEM TEST NO NR NR 10. 161900 37.HRC T*130000 AS 001A L297866 35.HRC RECEIVED TC TC TC TC TC TEST LOCATION 45.HRC NR 196100 TEST HEAT *185500. 11. 45.HRC TREATED TC TC TC TC TEST LOCATION * Y.S. BY 0.2% OFFSET METHOD DELTA FERRITE ITEM TEST NO 001A L297866 1.00

NR = DATA NOT REQUIRED METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: OXALIC ACID

ELONG AT FRACTURE

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

PE

EN 10204:2005 - 3.1 CERTIFICATE DOES NOT INDICATE PED APPROVAL FOR THIS MATERIAL.

PAGE 02 - CONTINUED ON PAGE 03

TEST LOCATION

10/10/17 16:45:44

CONSIGNEE. Please Note—This consignment was turned over to carrier in first class condition, being correctly leaded, at which time our responsibility for loss or damage in singment ceated for your protection please examine shipment as it arrives. If any shortage or damage, it discovered, have a foll description made by transportation agent on which before stigning.

WARRANG
Safety Data Sheets for this product are available on our
whosels, www. Altmetals.com. A thorough review of the
Safety Data Sheet for the goad of material purchased si
be performed prior to working with this product and all the Abath considerations certificate and all the Abath considerations certificate and the safe of the Safety Safet

Packing List Number: 47556-1 lb. 1 Quantity: 152

NOTICE OF SHIPMENT/ PACKING LIST

Flat Rolled Products

CERTIFICATE OF TEST

AL 6168 8 417

MILL ORDER NUMBER DATE SHIPPED PRODUCT CODE SHIPPER NO CUST. CODE 13010103060000 30-067-219 09/27/17 CUST. ORD. NO. & DATE 545802 106/08/17 110977 LOUISVILLE, OH IN-27388-P09 GOVT CONTRACT REPEAT DO PAU-ORDER RATE ORITY 244837 MG BILL WV 1473 BENWOOD 3 SHIP 10+ SPEC 1 L62381 SHIP TO SEC PRIME SOLD TO UNITED PERFORMANCE METALS UNITED PERFORMANCE METALS INC DSO 3475 SYMMES ROAD 10 OH 45015 3475 SYMMES ROAD HAMILTON OH 45015 HAMILTON

CARRIER - GROSS, RONALD, INC. PRECIPITATION HARDENABLE STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE CRADE 17-4"

THESE COMMODITIES OR TECHNOLOGY, WHEN EXPORTED FROM THE UNITED STATES, ARE IN ACCORDANCE WITH THE USA EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. U.S. LAW ALSO PROHIBITS DISPOSITION OF THESE COMMODITIES/TECHNICAL DATA TO ANY END-USER OR FOR ANY END-USE RELATED TO THE DESIGN, DEVELOPMENT, PRODUCTION, STOCKPILING, OR USE OF CHEMICAL, BIOLOGICAL, OR NUCLEAR WEAPONS, OR MISSILES, DISTRIBUTIONS THE UNITED STATES COVERNMENT. VITHOUT THE PROPER APPROVAL OF THE UNITED STATES GOVERNMENT.

ATI-FRP DEFINES THE GRAIN ORIENTATION NOMENCLATURE AS LONGITUDINAL (L) IS THE LENGTH, LONG TRANSVERSE (LT) IS THE WIDTH, AND SHORT TRANSVERSE (ST) IS THE THICKNESS OR GAUGE.

MATERIAL WAS SOLUTION ANNEALED AT 1900F +/- 25F (1038C +/- 14C) FOR A TIME COMMENSURATE WITH THICKNESS AND COOLED TO BELOW 90F (32C).

ATI FLAT ROLLED PRODUCTS HAS COMPLIED WITH ALL PRODUCER REQUIREMENTS OF AS6279.

ATI FLAT ROLLED PRODUCTS DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS.

MATERIAL IS OF USA MELT AND MANUFACTURE.

NO WELDS/WELD REPAIRS PERFORMED.

THIS CERTIFIED MATERIAL TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE THIS CERTIFIED MATERIAL TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, FEDERAL LAW PROHIBITS TO RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI FRP HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI FRP QUALITY MANUAL REVISION 26 DATED 06/14/2017.

ATI FLAT ROLLED PRODUCTS WORKS TO THE ROLLS ROYCE SABRE QUALITY MANAGEMENT SYSTEM REQUIREMENTS. 10/10/17 16:45:44 PAGE 03 - CONTINUED ON PAGE 04

CONSIGNEE. Please Note. The consignment was turned over to carrier in that class condition, being correctly leaded, at which time our responsibility for the management and the classed For your protection please examine asymment as it strives. It any shorage or damage is discolorable have a full description made by transportation agent on will put before signing.

WARRANG
Safety Data Sheets for this product are available on our website, www.ATmetals.com. A thorough review of the Safety Data Sheet for the grade of material purchased shall be performed prior to working with this product and all safet, a health considerations outlined must be implemented.

Customer PO: B12018170 UPM Sales Order: 653172 Date: 11/27/2017

Description/Form: STAINLESS 17-4 PH - SHEET

Heat Number: 852059

Ingot: 17L002512E

Customer P/N: Packing List Number: 47556-1 Quantity: 152 lb. 1

NOTICE OF SHIPMENT/ PACKING LIST

Flat Rolled Products

CERTIFICATE OF TEST

AL 6169 B 417

MILL ORDER NUMBER DATE SHIPPED SHIPPER NO PRODUCT CODE FINISHING LOCATION CUST. CODE 13010103060000 30-067-219 CUST. ORD. NO. & DATE 09/27/17 MG BILL COUISVILLE, OH 545802 CIN-27388-P09 COVT CONTRACT REPEAT DO PRI-WV 244837 1473 BENWOOD SOLD 3 SHIP TO SPEC 1 L62381 SHIP TO PRIME SEC. UNITED PERFORMANCE METALS SOLD TO DSO UNITED PERFORMANCE METALS INC DSO 3475 SYMMES ROAD 10 3475 SYMMES ROAD OH 45015 HAMILTON OH 45015 HAMILTON

CARRIER - GROSS, RONALD, INC. "ATI 17-4" PRECIPITATION HARDENABLE STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

ATI FLAT ROLLED PRODUCTS PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES FOR TESTING LOCATIONS TC, BN, MI, & LO: C, S BY COMBUSTION/INFRARED N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY

MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF B BY OES AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES

PB, BI, AG BY GFAA

MATERIAL TESTED AT ATI FLAT ROLLED PRODUCTS GEAE S400 APPROVED FACILITIES (T1225 & T9317): NATRONA HEIGHTS, PA; BRACKENRIDGE, PA AND NEW BEDFORD, MA.

ATI FLAT ROLLED PRODUCTS HOLDS SEVERAL QUALITY AND LABORATORY CERTIFCATIONS THAT INCLUDE ISO-9001, AS9100, ATT FLAT ROLLED PRODUCTS HOLDS SEVERAL QUALITY AND LABORATORY CERTIFCATIONS THAT INCLUDE 150-900 AD 2000-MERKBLATT WO. EU PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU, NADCAP, ISO/EIC 17025, GEAE S400 (T1225 & T9317), GEAE S-1000. REFER TO WWW.ATIMETALS.COM TO ACCESS THE CURRENT ATT FRP QUALITY CERTIFICATIONS.

"H", "TH", "RH", AND OTHER HEAT TREATED VALUES ARE CAPABILITY TEST RESULTS.

HEAT TREATED @H900 -- 900F FOR 60 MINUTES FOLLOWED BY AIR COOLED.

EN 10204:2005 3.1 CERTIFICATE.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS: BN = ATI-FLAT ROLLED PRODUCTS; 100 RIVER ROAD; BRACKENRIDGE, PA 15014 PE = PRODUCT EVALUATION SYSTEMS; 637 DONOHOE ROAD; LATROBE, PA 15650 PAGE 04 - CONTINUED ON PAGE 05

10/10/17 16:45:44 ial and test results conform to the sales contract froducts' Order Acknowledgement

CONSIGNEE - Please Note - This consymment was turned over to camer in first class condition, being correctly loaded all which time our responsibility for loss or damage in shipment classed for your protection please examine absorbed as a strikes. If any shortage or damage is discovered, have a full description made by transport from agreed on way but before signing.

WARNING
Safety Data Sheets for this product are available on our website, www.ATmetais.com. A thorough review of the Safety Data Sheet for the grade of material purchased all be performed prior to working with this product and all a health considerations outlined must be implemented.

terrar

UPM Sales Order: 653172 Date: 11/27/2017

Heat Number: 852059

Description/Form: STAINLESS 17-4 PH - SHEET Ingot: 17L002512E CUSTOME I III. Packing List Number: 47556-1 Quantity: 152 lb. 1

NOTICE OF SHIPMENT/ **PACKING LIST**

Flat Rolled Products

CERTIFICATE OF TEST

AL 6168 B 417

MILL ORDER NUMBER PRODUCT CODE SHIPPER NO. CUST. CODE 13010103060000 30-067-219 09/27/17 CUST. ORD NO & DATE 545802 GOVT CONTRACT | 06/08/17 | 110977 | LOUISVILLE, OH IN-27388-P09 ORDER RATE ORITY MG BILL WV 244837 | 158 1473 BENWOOD 3 SHIP TO-SPEC 1 L62381 SHIP TO PRIME SEC. SOLD TO UNITED PERFORMANCE METALS DSO UNITED PERFORMANCE METALS INC DSO 3475 SYMMES ROAD 10 3475 SYMMES ROAD OH 45015 HAMILTON OH 45015 HAMILTON

CARRIER - GROSS, RONALD, INC. *ATI 17-4" PRECIPITATION HARDENABLE STAINLESS STEEL SHEET C R CUT LENGTHS ANNEALED 2D FIN 3 EDGE

PESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS: FC = ATI-FLAT ROLLED PRODUCTS; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

REGISTER AT MYATI.ATIMETALS.COM ******

> DAMES ASSESSED ST. CO.S. ALL Pages 5 Date: 10711/2017

PAGE 05 - FINAL PAGE.

and test results conform to the sales contract

10/10/17 16:45:44

CONSIGNEE. Please Note: This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss of damage in advinent casted For your protection preser examine shipment as it arrives. It any shortage or damage in discovered, have a full description made by transportation agent on wighpill before signing.

WARRANG
Safety Data Sheets for this product are available on our
website, www.ATimetals.com. A thorough review of the
Safety Data Sheet for the grade of material purchased shale
be performed priors to working with this product and all ail
A health considerations outlined must be implemented.

MATERIAL RECEIPT INSPECTION FORM

| MATERIAL: <u>M30</u> DATE: | 3B DEC | 09 | <u>00x 1.00</u> 0 2017 |) | PO / BATCH | no.: <u>038</u> | : <u> 19<i> 50\18.</i>3</u> 3 |
|---|-----------|------------------|---------------------------|----------------|---|----------------------|-------------------------------|
| MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED: | 191 | í | | THIC | CKNESS ORDEI KNESS RECEI ET SIZE ORDEI ET SIZE RECEI | VED: 1-00 RED: // | 90 |
| DESCRIPTION | (Ch Y/ | CR eck (N) | | | COMMENT | -S | |
| SURFACE DAMAGE | | M | | | | | |
| CORRECT FINISH | 0 | N | | | | | |
| CORROSION | Y | 0 | | | | | |
| CORRECT GRAIN DIRECTION | 0 | N | 4 1 | | | | |
| CORRECT MATERIAL PER M-DRAWING | 0 | N | Astm | 4582 | | | |
| CORRECT THICKNESS | 8 | N | | | | | |
| PHOTO REQUIRED | Y | Ø | | _ | | | |
| CORRECT REF # TO LINK CERT | 8 | Ň | Theat # | 272.75 | 9 | | |
| CORRECT MATERIAL IDENTFICATION | (2) | N | | | | | |
| CORRECT M# ON THE MATERIAL | Ø | N | | | | | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Υ | (2) | | | | | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Υ | 3 | | | | | |
| | | 9 | | \$1,555. | | | |
| CUT SAMPLE PIECE | | | | D PREFORI | | SS CHECK. | |
| | | | HRC | HRB | DUR A | DUR D | WEBSTER |
| TYPE OF MATERIAL | | | | | | | |
| SIZE OF TEST SAMPLE | | | | | | | |
| HARDNESS / DUROMETER READIN | NG | | | | | | |
| | te | sters | located in the | Quality Office | e | | |
| | | | | | | | |
| | | | | | | | |

| QC 18 INSPECTION | 是不是是不不会的一个。 | Fred Constitution | ENGINEERING SIGNOFF (if r | equired) |
|------------------|--------------|-------------------|---------------------------|----------|
| INSPECTED BY: | nl | 15 | SIGNED OFF BY: | |
| DATE: | DEC 0 9 2017 | 11/2/4 | DATE: | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DELEASE N 2010-02-02

REV. B SCALE NTS SHEET 1 OF 1 10.01.05 02.05.29 DATE DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
M303B COPYRIGHT © 2002 BY DART AEROSPACE LTD DS CP B REFORMAT DWG. ADD SPECS (ZN D8-1),
A NEW ISSUE 303 BAR THIS DOCUMENT IS PRING. NOT TO RE USED FOR CHECKED MFG. APPR. APPROVED DE APPR. DATE 10.01.05 REV. DESIGN DRAWN

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS BAR (NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION:

M303B|T.TTT X|WW.WWWV| ASTM A582

EG. 0.5" x 3.0" BAR = M303B0.500X03.000

WHERE "TITT" = THICKNESS IN INCHES AND "WW.WWW" = WIDTH IN INCHES

PART NUMBER:

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MATERIAL RECEIPT INSPECTION FORM

| MATERIAL: <u>M17-</u> DATE: | 12A 1017 | - | PO / BATCH NO.: 038419/50193 | | | | | | | |
|---|-----------------------|-----|------------------------------|-----|---|------------|------------|---------|--|--|
| MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED: | ECTED: 30" | | | | THICKNESS ORDERED: 0.125 THICKNESS RECEIVED: 0.125 SHEET SIZE ORDERED: 3×10 SHEET SIZE RECEIVED: 3×10 | | | | | |
| DESCRIPTION | NCR (Check Y/N) | | | | | COMMEN | NTS | | | |
| SURFACE DAMAGE | Y | W | | | | | | | | |
| CORRECT FINISH | (8) | N | | | | | | | | |
| CORROSION | Y | 0 | | | | | | | | |
| CORRECT GRAIN DIRECTION | (2) | N | | | | | | | | |
| CORRECT MATERIAL PER M-DRAWING | 0 | N | Ams | 56 | 04 | | | | | |
| CORRECT THICKNESS | (9) | N | 1 | | | | | | | |
| PHOTO REQUIRED | Υ | (N) | | | | | | | | |
| CORRECT REF # TO LINK CERT | (4) | N | Hest | # 3 | 75059 | 7 | | | | |
| CORRECT MATERIAL IDENTFICATION | B | N | 0/ | 7 | | | | | | |
| CORRECT M# ON THE MATERIAL | M) | N | | | | | | | | |
| DOES THIS MATERIAL REQUIRE | | | | | | | | | | |
| ENGINEERING SIGN OFF | Υ | N | | | | | | | | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Υ | 3 | | | | | | | | |
| | | | | | | | | | | |
| CUT SAMPLE PIECE | OF | MA | TERIAL A | ND | PREFOR | M A HARDNE | ESS CHECK. | | | |
| | | | ORD RES | | | | | | | |
| | | | HRC | | HRB | DUR A | DUR D | WEBSTER | | |
| YPE OF MATERIAL | | | | | | | | | | |
| SIZE OF TEST SAMPLE | | | | | | | | | | |
| ARDNESS / DUROMETER READING | | | | | | | | | | |

testers located in the Quality Office

| QC 18 INSPECTION | | | ENGINEERING SIGNOFF (if required) |
|------------------|--------------|---------|-----------------------------------|
| INSPECTED BY: | ul | 15 | SIGNED OFF BY: |
| DATE: | DEC 0 9 2017 | 17/12/4 | DATE: |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

۵ REV. B SCALE NTS SHEET 1 OF 1 17.09.14 06.08.17 DATE COPYRIGHT © 2006 BY DART AEROSPACE LTD
THIS DOCMENT SIMBLATE AND CONFEDENCE OF STREET ON THE UNITED FOR MY PROPER OF COMPLY FOR WHICH STREET FOR MY OTHER POSICION WITHOUT DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M17-4-S ON. 0.024 - 0.026 0.027 - 0.029 0.030 - 0.032 0.035 - 0.045 0.041 - 0.045 0.053 - 0.052 0.053 - 0.065 0.059 - 0.065 0.073 - 0.083 0.074 - 0.093 0.074 - 0.093 0.074 - 0.093 RANGE (IN) 0.0178 - 0.019 0.0199 - 0.023 - 0.130 -0.145 -0.176 -0.212 - 0.228 -0.243 -0.278 -0.293 -0.325 -0.194 -0.262 THICKNESS 0.115 0.146 0.182 0.194 0.201 0.225 0.238 0.254 0.269 0.131 ADD MATERIAL CONDITION AND GAUGE TABLE AND REFORMAT DRAWING (CIR17-107)
NEW ISSUE 17-4 SS SHEET NOM. THICK. (IN) 0.01875 0.021875 0.025 0.028125 0.03125 0.034375 0.0375 0.04375 0.050 0.0703125 0.09375
0.109375
0.109375
0.140625
0.140625
0.11875
0.1875
0.2031
0.2188
0.2344
0.2500
0.2500
0.2500
0.2500
0.2500 0.078125 0.0625 TITLE Cho B GAUGE THICKNESS TABLE: WW RA W 17.09.14 MFG. APPR. APPROVED CHECKED DE APPR. DESIGN DRAWN A REV. DATE APPROVED SPECIFICATION CONTROL DRAWING OFLEASE 11 2017 -10-31 GW-7-28 13.2 GA WHERE: HHHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW) TT = GAUGE THICKNESS (PER GAUGE THICKNESS TABLE) MIN ULTIMATE TENSILE STRENGTH (KSI) MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED PART NUMBER M174-S16GA M174-H900-S14GA M174-H1025-S12GA M17-4-CONDA-S22GA 135 MIN YIELD TENSILE STRENGTH (KSI) 105 170 125 115 105 PURCHASE MATERIAL: 17-4 PH / TYPE 630 / 517400 SS SHEET MINIMUM YIELD STRENGTH PER TABLE MINIMUM ULTIMATE STRENGTH PER TABLE PART 16 GAUGE SS SHEET MIN UTS = 135 KSI, MIN YTS = 105 KSI 14 GAUGE SS SHEET H900 CONDITION 12 GAUGE SS SHEET H1025 CONDITION 22 GAUGE SS SHEET A CONDITION H925 H1025 H1075 H1075 H1100 H1100 CONDITION A (CONDITION A NOT ACCEPTABLE) CONDITION H900 AMS 5604 OR ASTM A693 M17-4- HHHHH- S TT COND GA MATERIAL CONDITION TABLE: (OMITTED) CODE CONDA H900 H925 H1025 H1075 H1100 H1150 EXAMPLES: **@** SPECIFICATION: PART NUMBER: **(a)** ω **B** @ @

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